

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/500,264  
Source: IFWP  
Date Processed by STIC: 02/06/2006

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 02/06/2006

PATENT APPLICATION: US/10/500,264

TIME: 14:05:19

Input Set : A:\4121-168 Sequence Listing\_122705.txt

Output Set: N:\CRF4\02012006\J500264.raw

in

3 <110> APPLICANT: Mahn, Andreas  
 4 Hantke, Sabine  
 5 Petsch, Dagmar  
 7 <120> TITLE OF INVENTION: Method of Increasing the Transgene-Coded Biomolecule Content

8 Organisms

10 <130> FILE REFERENCE: 4121-168

12 <140> CURRENT APPLICATION NUMBER: US 10/500,264

C--> 13 <141> **CURRENT FILING DATE: 2004-06-18**

15 <150> PRIOR APPLICATION NUMBER: PCT/EP02/14512

16 <151> PRIOR FILING DATE: 2002-12-18

18 <150> PRIOR APPLICATION NUMBER: EP 0 113 0319.5

19 <151> PRIOR FILING DATE: 2001-12-19

21 <160> NUMBER OF SEQ ID NOS: 6

23 <170> SOFTWARE: PatentIn version 3.3

25 <210> SEQ ID NO: 1

26 <211> LENGTH: 4

27 <212> TYPE: PRT

28 <213> ORGANISM: Artificial

30 <220> FEATURE:

31 <223> OTHER INFORMATION: signal polypeptide

33 <400> SEQUENCE: 1

35 Lys Asp Glu Leu

36 1

39 <210> SEQ ID NO: 2

40 <211> LENGTH: 6

41 <212> TYPE: PRT

42 <213> ORGANISM: Artificial

44 <220> FEATURE:

45 <223> OTHER INFORMATION: signal polypeptide

47 <400> SEQUENCE: 2

49 Ser Lys Asn Pro Ile Asn

50 1 5

53 <210> SEQ ID NO: 3

54 <211> LENGTH: 26

55 <212> TYPE: DNA

56 <213> ORGANISM: Artificial

58 <220> FEATURE:

59 <223> OTHER INFORMATION: primer

61 <400> SEQUENCE: 3

62 tctagagatc atgagcggag aattaa

65 <210> SEQ ID NO: 4

66 <211> LENGTH: 26

67 <212> TYPE: DNA

26

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68 <213> ORGANISM: Artificial
70 <220> FEATURE:
71 <223> OTHER INFORMATION: primer
73 <400> SEQUENCE: 4
74 actagtaatt cccatcttga aagaaa                                26
77 <210> SEQ ID NO: 5
78 <211> LENGTH: 843
79 <212> TYPE: DNA
80 <213> ORGANISM: Artificial
82 <220> FEATURE:
83 <223> OTHER INFORMATION: scFV-antibody
85 <400> SEQUENCE: 5
86 atggcttcca aaccttttct atctttgctt tcactttcct tgctttctctt tacaagcaca      60
88 tgttttagcag ctgatgtgca gctgggtggag tctggggggag gcttagtgca gcctggaggg      120
90 tcccggaac tctcctgtgc agcctctgga ttcactttca gtagctttgg aatgcactgg      180
92 gttcgtcagg ctccagagaa ggggctggag tgggtcgcat atattagtag tggcagtagt      240
94 accatctact atgcagacac agtgaagggc cgattcacca tctccagaga caatcccaag      300
96 aacaccctgt tctgcaaat gaccagtcta aggtctgagg acacggccat gtattactgc      360
98 gcaagagatt acggggctta ttggggccaa gggaccacgg tcaccgtctc ctcaggtgga      420
100 ggcgggttcag gcggaggtgg ctctggcggg ggcggatcgg acattgagct caccagctct      480
102 ccagcaatca tgtctgcac tccagggggag aaggtcacca tgacctgcag tgccagttca      540
104 agtgtaaggt acatgaactg gttccaacag aagtcaggca cctcccccaa aagatggatt      600
106 tatgacacat ccaaactgtc ttctggagtc cctgctcgct tcagtggcag tgggtctggg      660
108 acctcttact ctctcacaat cagcagcatg gaggtgaag atgctgccac ttattactgc      720
110 cagcagtgga gtagtaatcc actcactttc ggtgctggga ccaagctgga gctgaaacgg      780
112 gcggccgcag aacaaaaact catctcagaa gaggatctga atggatccaa agacgaactc      840
114 tag                                                                843
117 <210> SEQ ID NO: 6
118 <211> LENGTH: 241
119 <212> TYPE: PRT
120 <213> ORGANISM: Artificial
122 <220> FEATURE:
123 <223> OTHER INFORMATION: scFv-antibody
125 <400> SEQUENCE: 6
127 Ala Ala Asp Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro
128 1          5          10          15
131 Gly Gly Ser Arg Lys Leu Ser Cys Ala Ala Ser Gly Phe Tyr Phe Ser
132          20          25          30
135 Ser Phe Gly Met His Trp Val Arg Gln Ala Pro Glu Lys Gly Leu Glu
136          35          40          45
139 Trp Val Ala Tyr Ile Ser Ser Gly Ser Ser Thr Ile Tyr Tyr Ala Asp
140          50          55          60
143 Thr Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Pro Lys Asn Thr
144 65          70          75          80
147 Leu Phe Leu Gln Met Thr Ser Leu Arg Ser Glu Asp Thr Ala Met Tyr
148          85          90          95
151 Tyr Cys Ala Arg Asp Tyr Gly Ala Tyr Trp Gly Gln Gly Thr Thr Val
152          100         105         110
155 Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly

```

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156          115          120          125
159 Gly Gly Ser Asp Ile Glu Leu Thr Gln Ser Pro Ala Ile Met Ser Ala
160          130          135          140
163 Ser Pro Gly Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Val
164 145          150          155          160
167 Arg Tyr Met Asn Trp Phe Gln Gln Lys Ser Gly Thr Ser Pro Lys Arg
168          165          170          175
171 Trp Ile Tyr Asp Thr Ser Lys Leu Ser Ser Gly Val Pro Ala Arg Phe
172          180          185          190
175 Ser Gly Ser Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met
176          195          200          205
179 Glu Ala Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Ser Ser Asn
180          210          215          220
183 Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys Arg Ala Ala
184 225          230          235          240
187 Ala

```

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 02/06/2006  
PATENT APPLICATION: US/10/500,264      TIME: 14:05:20

Input Set : A:\4121-168 Sequence Listing\_122705.txt  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6

**VERIFICATION SUMMARY**

DATE: 02/06/2006

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TIME: 14:05:20

Input Set : A:\4121-168 Sequence Listing\_122705.txt

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date